



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510781.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510781

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUE DATE] 6/4/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1142-WF-RGBW-(R)

[LUMINAIRE] 1142 Wide Flood Red Output

[BALLASTCAT] ELDOLED PW50U-M4Z0X1

[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND

[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.

[MORE] Base file 80239581-33

[INPUT] 120VAC

[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	201
Maximum Candela Angle	-1H -19.5V
Horizontal Beam Angle (50%)	80.0
Vertical Beam Angle (50%)	90.7
Horizontal Field Angle (10%)	147.7
Vertical Field Angle (10%)	148.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	286
Beam Efficiency	N.A.
Field Lumens	429
Field Efficiency	N.A.
Spill Lumens	13
Luminaire Lumens	442
Total Efficiency	N.A.
Total Luminaire Watts	15.36
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	3	85	3
75	20	75	19
65	39	65	35
55	56	55	56
47.5	72	47.5	88
42.5	85	42.5	117
37.5	99	37.5	148
33	113	33	173
29	125	29	188
25.5	136	25.5	197
22.5	145	22.5	201
19.5	153	19.5	201
17	159	17	200
15	164	15	198
13	168	13	196
11	171	11	193
9	175	9	190
7	177	7	187
5	179	5	185
3	181	3	184
1	182	1	183
0	182	0	182
-1	182	-1	183
-3	181	-3	184
-5	179	-5	185
-7	177	-7	187
-9	175	-9	190
-11	171	-11	193
-13	168	-13	196
-15	164	-15	198
-17	159	-17	200
-19.5	153	-19.5	201
-22.5	145	-22.5	201
-25.5	136	-25.5	197
-29	125	-29	188
-33	113	-33	173
-37.5	99	-37.5	148
-42.5	85	-42.5	117
-47.5	72	-47.5	88
-55	56	-55	56
-65	39	-65	35
-75	20	-75	19
-85	3	-85	3
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 201

Beam Edge = 100.5 Cd (50% of Max.)

Field Edge = 20.1 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	1	1	1	2	2	2	2	2
75.0	0	1	2	5	8	10	12	14	15	16
65.0	0	1	5	11	18	22 *	25 *	28 *	30 *	31 *
55.0	0	1	8	18	28 *	36 *	41 *	45 *	49 *	51 *
47.5	0	2	10	23 *	37 *	47 *	56 *	64 *	71 *	75 *
42.5	0	2	12	26 *	41 *	55 *	66 *	78 *	88 *	95 *
37.5	0	2	14	29 *	46 *	63 *	76 *	91 *	105 *	115 *
33.0	0	2	15	32 *	49 *	67 *	83 *	101 *	118 *	130 *
29.0	0	2	16	33 *	52 *	71 *	87 *	107 *	124 *	139 *
25.5	0	3	17	35 *	54 *	73 *	90 *	110 *	127 *	143 *
22.5	0	3	18	36 *	55 *	75 *	91 *	110 *	128 *	143 *
19.5	0	3	18	37 *	56 *	75 *	91 *	110 *	127 *	142 *
17.0	0	3	19	37 *	56 *	75 *	91 *	108 *	125 *	140 *
15.0	0	3	19	38 *	56 *	75 *	90 *	107 *	124 *	138 *
13.0	0	3	19	38 *	57 *	74 *	89 *	106 *	122 *	136 *
11.0	0	3	19	38 *	57 *	74 *	88 *	104 *	120 *	134 *
9.0	0	3	20	38 *	57 *	73 *	87 *	103 *	118 *	131 *
7.0	0	3	20	39 *	56 *	73 *	86 *	102 *	116 *	130 *
5.0	0	3	20	39 *	56 *	72 *	86 *	101 *	115 *	128 *
3.0	0	3	20	39 *	56 *	73 *	86 *	100 *	114 *	127 *
1.0	0	3	20	39 *	56 *	72 *	85 *	100 *	113 *	126 *
0.0	0	3	20	39 *	56 *	72 *	85 *	99 *	113 *	125 *
-1.0	0	3	20	39 *	56 *	72 *	85 *	100 *	113 *	126 *
-3.0	0	3	20	39 *	56 *	73 *	86 *	100 *	114 *	127 *
-5.0	0	3	20	39 *	56 *	72 *	86 *	101 *	115 *	128 *
-7.0	0	3	20	39 *	56 *	73 *	86 *	102 *	116 *	130 *
-9.0	0	3	20	38 *	57 *	73 *	87 *	103 *	118 *	131 *
-11.0	0	3	19	38 *	57 *	74 *	88 *	104 *	120 *	134 *
-13.0	0	3	19	38 *	57 *	74 *	89 *	106 *	122 *	136 *
-15.0	0	3	19	38 *	56 *	75 *	90 *	107 *	124 *	138 *
-17.0	0	3	19	37 *	56 *	75 *	91 *	108 *	125 *	140 *
-19.5	0	3	18	37 *	56 *	75 *	91 *	110 *	127 *	142 *
-22.5	0	3	18	36 *	55 *	75 *	91 *	110 *	128 *	143 *
-25.5	0	3	17	35 *	54 *	73 *	90 *	110 *	127 *	143 *
-29.0	0	2	16	33 *	52 *	71 *	87 *	107 *	124 *	139 *
-33.0	0	2	15	32 *	49 *	67 *	83 *	101 *	118 *	130 *
-37.5	0	2	14	29 *	46 *	63 *	76 *	91 *	105 *	115 *
-42.5	0	2	12	26 *	41 *	55 *	66 *	78 *	88 *	95 *
-47.5	0	2	10	23 *	37 *	47 *	56 *	64 *	71 *	75 *
-55.0	0	1	8	18	28 *	36 *	41 *	45 *	49 *	51 *
-65.0	0	1	5	11	18	22 *	25 *	28 *	30 *	31 *
-75.0	0	1	2	5	8	10	12	14	15	16
-85.0	0	0	1	1	1	2	2	2	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	3	2	2	2	2	2	3	3	2	2
75.0	17	17	18	18	18	18	19	19	19	19
65.0	33 *	33 *	34 *	34 *	35 *	35 *	35 *	34 *	35 *	35 *
55.0	53 *	54 *	54 *	55 *	55 *	56 *	56 *	56 *	56 *	56 *
47.5	79 *	81 *	83 *	84 *	85 *	86 *	87 *	88 *	88 *	88 *
42.5	101 *	105 *	108 *	111 *	112 *	113 *	115 *	116 *	116 *	117 *
37.5	123 *	129 *	134 *	137 *	140 *	142 *	144 *	145 *	146 *	147 *
33.0	140 *	147 *	154 *	158 *	161 *	164 *	167 *	169 *	170 *	171 *
29.0	150 *	159 *	166 *	172 *	175 *	178 *	181 *	183 *	186 *	187 *
25.5	155 *	164 *	172 *	178 *	182 *	186 *	189 *	191 *	193 *	195 *
22.5	156 *	165 *	174 *	180 *	185 *	188 *	191 *	194 *	196 *	198 *
19.5	155 *	165 *	174 *	180 *	184 *	189 *	192 *	194 *	197 *	199 *
17.0	153 *	163 *	172 *	178 *	183 *	187 *	191 *	193 *	195 *	197 *
15.0	151 *	160 *	169 *	176 *	181 *	185 *	188 *	191 *	193 *	195 *
13.0	148 *	158 *	167 *	173 *	178 *	182 *	186 *	189 *	191 *	193 *
11.0	146 *	155 *	164 *	170 *	175 *	180 *	183 *	186 *	188 *	190 *
9.0	143 *	152 *	161 *	168 *	172 *	176 *	180 *	183 *	186 *	187 *
7.0	141 *	150 *	159 *	165 *	169 *	174 *	177 *	180 *	183 *	185 *
5.0	139 *	148 *	157 *	163 *	168 *	172 *	175 *	179 *	181 *	183 *
3.0	137 *	146 *	155 *	161 *	166 *	170 *	174 *	177 *	180 *	181 *
1.0	137 *	145 *	154 *	160 *	165 *	169 *	172 *	176 *	178 *	181 *
0.0	136 *	145 *	153 *	159 *	164 *	168 *	171 *	175 *	177 *	179 *
-1.0	137 *	145 *	154 *	160 *	165 *	169 *	172 *	176 *	178 *	181 *
-3.0	137 *	146 *	155 *	161 *	166 *	170 *	174 *	177 *	180 *	181 *
-5.0	139 *	148 *	157 *	163 *	168 *	172 *	175 *	179 *	181 *	183 *
-7.0	141 *	150 *	159 *	165 *	169 *	174 *	177 *	180 *	183 *	185 *
-9.0	143 *	152 *	161 *	168 *	172 *	176 *	180 *	183 *	186 *	187 *
-11.0	146 *	155 *	164 *	170 *	175 *	180 *	183 *	186 *	188 *	190 *
-13.0	148 *	158 *	167 *	173 *	178 *	182 *	186 *	189 *	191 *	193 *
-15.0	151 *	160 *	169 *	176 *	181 *	185 *	188 *	191 *	193 *	195 *
-17.0	153 *	163 *	172 *	178 *	183 *	187 *	191 *	193 *	195 *	197 *
-19.5	155 *	165 *	174 *	180 *	184 *	189 *	192 *	194 *	197 *	199 *
-22.5	156 *	165 *	174 *	180 *	185 *	188 *	191 *	194 *	196 *	198 *
-25.5	155 *	164 *	172 *	178 *	182 *	186 *	189 *	191 *	193 *	195 *
-29.0	150 *	159 *	166 *	172 *	175 *	178 *	181 *	183 *	186 *	187 *
-33.0	140 *	147 *	154 *	158 *	161 *	164 *	167 *	169 *	170 *	171 *
-37.5	123 *	129 *	134 *	137 *	140 *	142 *	144 *	145 *	146 *	147 *
-42.5	101 *	105 *	108 *	111 *	112 *	113 *	115 *	116 *	116 *	117 *
-47.5	79 *	81 *	83 *	84 *	85 *	86 *	87 *	88 *	88 *	88 *
-55.0	53 *	54 *	54 *	55 *	55 *	56 *	56 *	56 *	56 *	56 *
-65.0	33 *	33 *	34 *	34 *	35 *	35 *	35 *	34 *	35 *	35 *
-75.0	17	17	18	18	18	18	19	19	19	19
-85.0	3	2	2	2	2	2	3	3	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	2	3	3	3	2	2	2	3	3	2
75.0	19	19	19	19	19	19	19	19	19	18
65.0	35 *	35 *	35 *	35 *	35 *	35 *	35 *	34 *	35 *	35 *

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CANDELA TABULATION - (Cont.)

55.0	56 *	56 *	56 *	56 *	56 *	56 *	56 *	56 *	56 *	56 *
47.5	88 *	88 *	88 *	88 *	88 *	88 *	88 *	88 *	87 *	86 *
42.5	118 *	117 *	117 *	117 *	118 *	117 *	116 *	116 *	115 *	113 *
37.5	147 *	148 *	148 *	148 *	147 *	147 *	146 *	145 *	144 *	142 *
33.0	172 *	173 *	173 *	173 *	172 *	171 *	170 *	169 *	167 *	164 *
29.0	188 *	188 *	188 *	188 *	188 *	187 *	186 *	183 *	181 *	178 *
25.5	196 *	197 *	197 *	197 *	196 *	195 *	193 *	191 *	189 *	186 *
22.5	199 *	200 *	201 *	200 *	199 *	198 *	196 *	194 *	191 *	188 *
19.5	200 *	201 *	201 *	201 *	200 *	199 *	197 *	194 *	192 *	189 *
17.0	199 *	200 *	200 *	200 *	199 *	197 *	195 *	193 *	191 *	187 *
15.0	197 *	198 *	198 *	198 *	197 *	195 *	193 *	191 *	188 *	185 *
13.0	194 *	196 *	196 *	196 *	194 *	193 *	191 *	189 *	186 *	182 *
11.0	192 *	193 *	193 *	193 *	192 *	190 *	188 *	186 *	183 *	180 *
9.0	189 *	190 *	190 *	190 *	189 *	187 *	186 *	183 *	180 *	176 *
7.0	186 *	188 *	187 *	188 *	186 *	185 *	183 *	180 *	177 *	174 *
5.0	184 *	185 *	185 *	185 *	184 *	183 *	181 *	179 *	175 *	172 *
3.0	183 *	184 *	184 *	184 *	183 *	181 *	180 *	177 *	174 *	170 *
1.0	182 *	183 *	183 *	183 *	182 *	181 *	178 *	176 *	172 *	169 *
0.0	181 *	182 *	182 *	182 *	181 *	179 *	177 *	175 *	171 *	168 *
-1.0	182 *	183 *	183 *	183 *	182 *	181 *	178 *	176 *	172 *	169 *
-3.0	183 *	184 *	184 *	184 *	183 *	181 *	180 *	177 *	174 *	170 *
-5.0	184 *	185 *	185 *	185 *	184 *	183 *	181 *	179 *	175 *	172 *
-7.0	186 *	188 *	187 *	188 *	186 *	185 *	183 *	180 *	177 *	174 *
-9.0	189 *	190 *	190 *	190 *	189 *	187 *	186 *	183 *	180 *	176 *
-11.0	192 *	193 *	193 *	193 *	192 *	190 *	188 *	186 *	183 *	180 *
-13.0	194 *	196 *	196 *	196 *	194 *	193 *	191 *	189 *	186 *	182 *
-15.0	197 *	198 *	198 *	198 *	197 *	195 *	193 *	191 *	188 *	185 *
-17.0	199 *	200 *	200 *	200 *	199 *	197 *	195 *	193 *	191 *	187 *
-19.5	200 *	201 *	201 *	201 *	200 *	199 *	197 *	194 *	192 *	189 *
-22.5	199 *	200 *	201 *	200 *	199 *	198 *	196 *	194 *	191 *	188 *
-25.5	196 *	197 *	197 *	197 *	196 *	195 *	193 *	191 *	189 *	186 *
-29.0	188 *	188 *	188 *	188 *	188 *	187 *	186 *	183 *	181 *	178 *
-33.0	172 *	173 *	173 *	173 *	172 *	171 *	170 *	169 *	167 *	164 *
-37.5	147 *	148 *	148 *	148 *	147 *	147 *	146 *	145 *	144 *	142 *
-42.5	118 *	117 *	117 *	117 *	118 *	117 *	116 *	116 *	115 *	113 *
-47.5	88 *	88 *	88 *	88 *	88 *	88 *	88 *	88 *	87 *	86 *
-55.0	56 *	56 *	56 *	56 *	56 *	56 *	56 *	56 *	56 *	56 *
-65.0	35 *	35 *	35 *	35 *	35 *	35 *	35 *	34 *	35 *	35 *
-75.0	19	19	19	19	19	19	19	19	19	18
-85.0	2	3	3	3	2	2	2	3	3	2
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	2	2	2	2	3	2	2	2	2	2
75.0	18	18	18	17	17	16	15	14	12	10
65.0	35 *	34 *	34 *	33 *	33 *	31 *	30 *	28 *	25 *	22 *
55.0	55 *	55 *	54 *	54 *	53 *	51 *	49 *	45 *	41 *	36 *
47.5	85 *	84 *	83 *	81 *	79 *	75 *	71 *	64 *	56 *	47 *
42.5	112 *	111 *	108 *	105 *	101 *	95 *	88 *	78 *	66 *	55 *
37.5	140 *	137 *	134 *	129 *	123 *	115 *	105 *	91 *	76 *	63 *
33.0	161 *	158 *	154 *	147 *	140 *	130 *	118 *	101 *	83 *	67 *
29.0	175 *	172 *	166 *	159 *	150 *	139 *	124 *	107 *	87 *	71 *
25.5	182 *	178 *	172 *	164 *	155 *	143 *	127 *	110 *	90 *	73 *

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CANDELA TABULATION - (Cont.)

22.5	185 *	180 *	174 *	165 *	156 *	143 *	128 *	110 *	91 *	75 *
19.5	184 *	180 *	174 *	165 *	155 *	142 *	127 *	110 *	91 *	75 *
17.0	183 *	178 *	172 *	163 *	153 *	140 *	125 *	108 *	91 *	75 *
15.0	181 *	176 *	169 *	160 *	151 *	138 *	124 *	107 *	90 *	75 *
13.0	178 *	173 *	167 *	158 *	148 *	136 *	122 *	106 *	89 *	74 *
11.0	175 *	170 *	164 *	155 *	146 *	134 *	120 *	104 *	88 *	74 *
9.0	172 *	168 *	161 *	152 *	143 *	131 *	118 *	103 *	87 *	73 *
7.0	169 *	165 *	159 *	150 *	141 *	130 *	116 *	102 *	86 *	73 *
5.0	168 *	163 *	157 *	148 *	139 *	128 *	115 *	101 *	86 *	72 *
3.0	166 *	161 *	155 *	146 *	137 *	127 *	114 *	100 *	86 *	73 *
1.0	165 *	160 *	154 *	145 *	137 *	126 *	113 *	100 *	85 *	72 *
0.0	164 *	159 *	153 *	145 *	136 *	125 *	113 *	99 *	85 *	72 *
-1.0	165 *	160 *	154 *	145 *	137 *	126 *	113 *	100 *	85 *	72 *
-3.0	166 *	161 *	155 *	146 *	137 *	127 *	114 *	100 *	86 *	73 *
-5.0	168 *	163 *	157 *	148 *	139 *	128 *	115 *	101 *	86 *	72 *
-7.0	169 *	165 *	159 *	150 *	141 *	130 *	116 *	102 *	86 *	73 *
-9.0	172 *	168 *	161 *	152 *	143 *	131 *	118 *	103 *	87 *	73 *
-11.0	175 *	170 *	164 *	155 *	146 *	134 *	120 *	104 *	88 *	74 *
-13.0	178 *	173 *	167 *	158 *	148 *	136 *	122 *	106 *	89 *	74 *
-15.0	181 *	176 *	169 *	160 *	151 *	138 *	124 *	107 *	90 *	75 *
-17.0	183 *	178 *	172 *	163 *	153 *	140 *	125 *	108 *	91 *	75 *
-19.5	184 *	180 *	174 *	165 *	155 *	142 *	127 *	110 *	91 *	75 *
-22.5	185 *	180 *	174 *	165 *	156 *	143 *	128 *	110 *	91 *	75 *
-25.5	182 *	178 *	172 *	164 *	155 *	143 *	127 *	110 *	90 *	73 *
-29.0	175 *	172 *	166 *	159 *	150 *	139 *	124 *	107 *	87 *	71 *
-33.0	161 *	158 *	154 *	147 *	140 *	130 *	118 *	101 *	83 *	67 *
-37.5	140 *	137 *	134 *	129 *	123 *	115 *	105 *	91 *	76 *	63 *
-42.5	112 *	111 *	108 *	105 *	101 *	95 *	88 *	78 *	66 *	55 *
-47.5	85 *	84 *	83 *	81 *	79 *	75 *	71 *	64 *	56 *	47 *
-55.0	55 *	55 *	54 *	54 *	53 *	51 *	49 *	45 *	41 *	36 *
-65.0	35 *	34 *	34 *	33 *	33 *	31 *	30 *	28 *	25 *	22 *
-75.0	18	18	18	17	17	16	15	14	12	10
-85.0	2	2	2	2	3	2	2	2	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

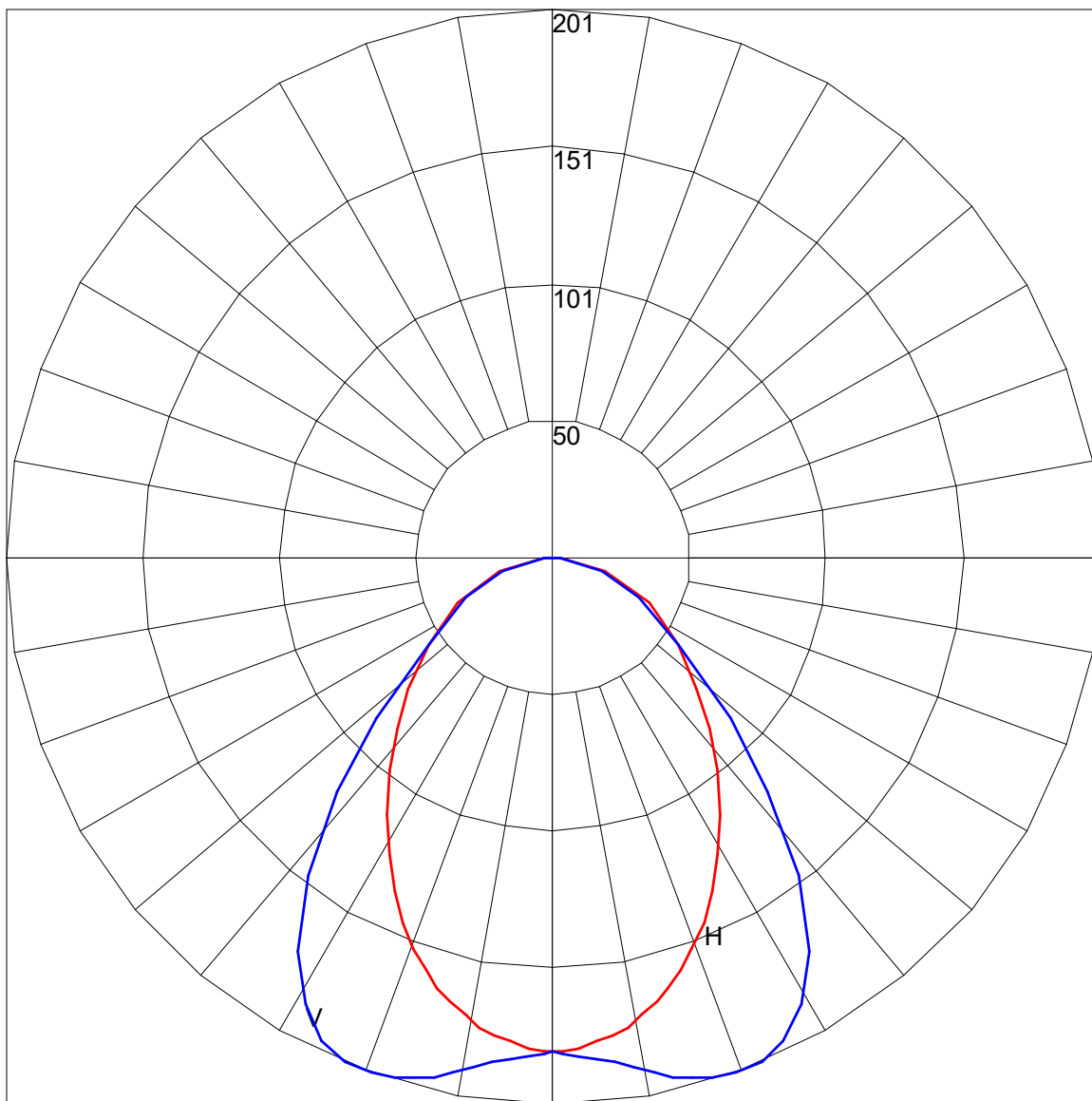
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	1	1	1	0	0
75.0	8	5	2	1	0
65.0	18	11	5	1	0
55.0	28 *	18	8	1	0
47.5	37 *	23 *	10	2	0
42.5	41 *	26 *	12	2	0
37.5	46 *	29 *	14	2	0
33.0	49 *	32 *	15	2	0
29.0	52 *	33 *	16	2	0
25.5	54 *	35 *	17	3	0
22.5	55 *	36 *	18	3	0
19.5	56 *	37 *	18	3	0
17.0	56 *	37 *	19	3	0
15.0	56 *	38 *	19	3	0
13.0	57 *	38 *	19	3	0
11.0	57 *	38 *	19	3	0
9.0	57 *	38 *	20	3	0

IES FLOOD REPORT
 PHOTOMETRIC FILENAME : L052510781.IES

CANDELA TABULATION - (Cont.)

7.0	56 *	39 *	20	3	0
5.0	56 *	39 *	20	3	0
3.0	56 *	39 *	20	3	0
1.0	56 *	39 *	20	3	0
0.0	56 *	39 *	20	3	0
-1.0	56 *	39 *	20	3	0
-3.0	56 *	39 *	20	3	0
-5.0	56 *	39 *	20	3	0
-7.0	56 *	39 *	20	3	0
-9.0	57 *	38 *	20	3	0
-11.0	57 *	38 *	19	3	0
-13.0	57 *	38 *	19	3	0
-15.0	56 *	38 *	19	3	0
-17.0	56 *	37 *	19	3	0
-19.5	56 *	37 *	18	3	0
-22.5	55 *	36 *	18	3	0
-25.5	54 *	35 *	17	3	0
-29.0	52 *	33 *	16	2	0
-33.0	49 *	32 *	15	2	0
-37.5	46 *	29 *	14	2	0
-42.5	41 *	26 *	12	2	0
-47.5	37 *	23 *	10	2	0
-55.0	28 *	18	8	1	0
-65.0	18	11	5	1	0
-75.0	8	5	2	1	0
-85.0	1	1	1	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY

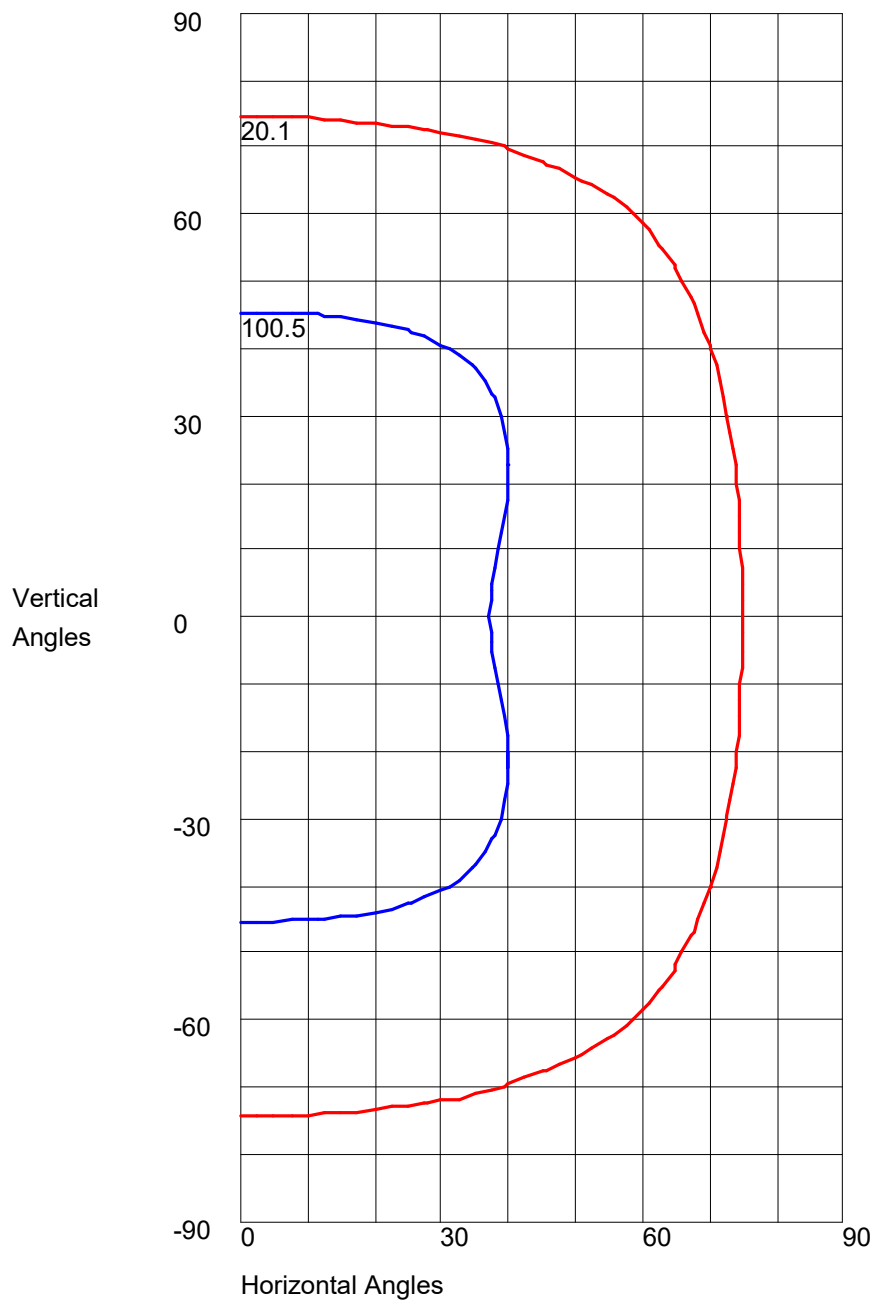


Maximum Candela = 201 Located At Horizontal Angle =-1, Vertical Angle =-19.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 201 Located At Horizontal Angle = -1, Vertical Angle = -19.5
50% Maximum Candela = 100.5
10% Maximum Candela = 20.1